



DT06 Rec'd PCT/PTO 0.2 OCT 2002 0120

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Douglas L. Schulz et al.) Art Unit: Not Yet Accorded
Serial No.: 10/088,760)
Filing Date: March 21, 2002) Examiner: Not Yet Accorded
Title: Direct Printing of Thin-Film)
Conductors Using Metal-Chelate Ink) Atty. Docket No.: 98-34 CIP

SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97(b)

Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing of a first office action of the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

That each item of information contained in the Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

In accordance with 37 C.F.R. § 1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 USC §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

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reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No.: 14-0460.

Dated: 9/26/02

Respectfully submitted,

Paul J. White

Paul J. White, Reg. No. 30,436
Attorney for Applicants

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8

I hereby certify that the following attached items:

- (1) Information Disclosure Statement Under 37 CFR § 1.97(b) [2 pgs.]
- (2) PTO Form 1449 with cited references
- (6) Postcard receipt

are being deposited in the United States Postal Service as first class mail, postage pre-paid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on the 27 day of September 2002.

Paul J. White

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Attorney for Applicants

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1617 Cole Boulevard
Golden, CO 80401
303/384-7575

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/088,760
Filing Date	March 21, 2002
First Named Inventor	Douglas L. Schulz
Group Art Unit	Not Yet Accorded
Examiner Name	Not yet Accorded
Attorney Docket Number	NREL 98-34 CIP

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

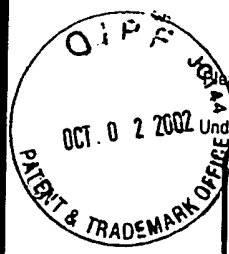
Examiner
Signature

Date
Considered

• EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number.²See attached Kinds of U.S. Patent Documents.³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO TH IS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



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PTO/SB/08B (10-96)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/088,760
				Filing Date	March 21, 2002
				First Named Inventor	Douglas L. Schulz
				Group Art Unit	Not Yet Accorded
				Examiner Name	Not Yet Accorded
Sheet	2	Of	2	Attorney Docket Number	NREL IR # 98-34 CIP

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite NO. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	PCT Notification of Transmittal of the International Search Report or the Declaration, PCT/US01/00430, mailed 17 July 2002.	
	2	International Publication No. WO 99 19900 A (Patterning Technologies Ltd., Speakman, Stuart (GB); Thin Film Techn) 22 April 1999.	
	3.	Teng, KF et al., "Ink Jet Assisted Metallization for Low Cost Flat Plate Solar Cells," Photovoltaic Specialists Conf. New Orleans, May 4-8, 1987, New York, IEEE, US Vol. Conf. 19, pgs. 1430-1434.	
	4.	Teng, KF et al., "Application of Ink Jet Technology on Photovoltaic Metallization," IEEE Electron Device Letters, New York, US, Vol. 9, No. 11, 1 Nov. 1988, pgs. 591-593.	
	5.	Hybertson, BM et al., "Deposition of Palladium Films by a Novel Supercritical Fluid Transport-Chemical Deposition Process," Materials Research Bulletin, Elsevier Science Publishing, New York, US, Vol. 26, No. 11, 1 Nov. 1991, pgs. 1127-1133.	

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Examiner Signature		Date Considered	
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